

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Électronic Version v18 Stylesheet Version v18.0

> Title of Invention

Mechanism for providing power management through virtualization

RECEIVED

AUG 2 6 2004

Technology Center 2100

Application Number:

09/752586

Confirmation Number:

1643

First Named Applicant:

Michael Kozuch

Attorney Docket Number: 42P9769

Art Unit:

2127

Examiner:

Nilesh Shah

(3699532 or 4207609 or 4319233 or 4403283

Search string:

or 4419724 or 4430709 or 4802084 or 4975836 or 5187802 or 5230069 or 5237616 or 5287363 or 5295251 or 5361375 or 5469557 or 5506975 or 5555385 or 5555414 or 5560013 or 5574936 or 5604805 or 5633929 or 5668971 or 5684948 or 5706469 or 5740178 or 5809546 or 5825880 or 5919257 or 5935242 or 5935247 or 5978475 or 6035374 or 6088262 or 6093213 or 6108644 or 6188257 or 6199152 or 6275933 or 6282650 or 6327652 or 6397379 or 6529909 or 6560627 or 6609199 or 6615278 or 6651171 or 6678825 or 6684326 or 20010027511 or 20020007456 or 20020023032 or 20020147916 or 20020166061

or 20020169717 or 20030074548 or

20030115453 or 20030126442 or 20030126453

or 20030159056 or 20030188179 or 20030196085 or 20040117539).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

	init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	14	1	3699532	1972-10-17	Schaffer et al.]		V. 1
		2	4207609	1980-06-10	Luiz et al.]		
Ì	\prod	3	4319233	1982-03-09	Matsuoka et al.]		
	\prod	4	4403283	1983-09-06	Myntti et al.]		
	MS	5	4419724	1983-12-06	Branigin et al.]		

25	6	4430709	1984-02-07	Schleupen et al.			
	7	4802084	1989-01-31	Ikegaya et al.			
	8	4975836	1990-12-04	Hirosawa et al.			
	9	5187802	1993-02-16	Inoue et al.			
	10	5230069	1993-02-16	Breisford et al.			
	11	5237616	1993-08-17	Abraham et al.			
	12	5287363	1994-02-15	Wolf et al.			
	13	5295251	1994-03-15	Wakui et al.			
	14	5361375	1994-11-01	Ogi			
	15	5469557	1995-11-21	Salt et al.			
	16	5506975	1996-04-09	Onodera			
	17	5555385	1996-09-10	Osisek			
	18	5555414	1996-09-10	Hough et al.			
	19	5560013	1996-09-24	Scalzi et al.			
	20	5574936	1996-11-12	Ryba et al.			
	21	5604805	1997-02-18	Brands			
	22	5633929	1997-05-27	Kaliski			
	23	5668971	1997-11-16	Neufeld			
	24	5684948	1997-11-04	Johnson et al.			
	25	5706469	1998-01-06	Kobayashi			
	26	5740178	1998-04-14	Jacks et al.			
	27	5809546	1998-09-15.	Greenstein et al.			
	28	5825880	1998-10-20	Sudia et al.			
	29	5919257	1999-07-06	Trostle			
	30	5935242	1999-08-10	Madany et al.			
	31	5935247	1999-08-10	Pai et al.			
	32	5978475	1999-11-02	Schneier et al.			
	33 .	6035374	2000-03-07	Panwar et al.			
Ш	34	6088262	2000-07-11	Nasu			
	35	6093213	2000-07-25	Favor et al.			
	36	6108644	2000-08-22	Goldschlag et al.			
	37	6188257	2001-02-13	Buer			
	38	6199152	2001-03-06	Kelly et al.			
	39	6275933	2001-08-14	Fine et al.			
	40	6282650	2001-08-28	Davis			
78	41	6327652	2001-12-04	England et al.			

APP_ID=09752586 Page 2 of 4

	P. 42	6397379 2002-05-2		Yates et al.
	43	6529909	2003-03-04	Bowman-Amuah
	44	44 6560627 2003-05		McDonald et al.
	45	6609199	2003-08-19	DeTreville
	46	6615278	2003-09-02	Curtis
	47	6651171	2003-11-18	England et al.
	48	6678825	2004-01-13	Ellison et al.
15	49	6684326	2004-01-27	Cromer et al.

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
69	1	20010027511	2001-10-04	Wakabayashi et al.	,		
	2	20020007456	2002-01-17	Peinado et al.			
	3	20020023032	2002-02-21	Pearson et al.			
	4	20020147916	2002-10-10	Strongin et al.			
	5	20020166061	2002-11-07	Falik et al.	,	•	
	6	20020169717	2002-11-14	Challener			
	7	20030074548	2003-04-17	Cromer et al.		•	
	8	20030115453	2003-06-19	Grawrock			
	9	20030126442	2003-07-03	Glew et al.			
	10	20030126453	2003-07-03	Glew et al.	· ·		
	11	20030159056	2003-08-21	Cromer et al.			
	12	20030188179	2003-10-02	Challener et al.			
	13	20030196085	2003-10-16	Lampson et al.			
18	14	20040117539	2004-06-17	Bennett et al.			

Remarks

Note: Remarks are not for responding to an office action.

This IDS is being filed concurrently with an IDS being filed by mail. A check for \$180.00 will be included with the IDS being filed by mail.

Signature

Mil Be Jan 1905

APP_ID=09752586

Substitut	efrFrm 14	49A/PTO (Modif	ed AUG 2 3 2004 H	Com	plete if Known	
INF	ORMAT	JON DIZ	LOSURE	Application Number	09/752,586	
			A TOO UNITED AND A STATE OF THE	Filing Date	December 27, 2000	
STA	ATEME	NT BY AP	PLICANT	First Named Inventor:	Michael A. Kozuch	
	(use as m	any sheets as nec	essary)	Group Art Unit	2127 DECEIVE	
				Examiner Name	Nilesh R. Shah	
Sh et	2	of	2	Attorney Docket Number	42P9769 AUG 2 5 2004	4
		OTHE	R ART - NON PAT	ENT LITERATURE DOCUM	ENTS Technology Center	2100

Sh et	2	of	2		Attorney Docket N	umber	42P9769	AU	<u>ს 2</u>	J 21
		OTHER	ART - N	ION PATE	NT LITERATURE	DOCUME	NTS	Technol	OUN	Cent
Examiner Initials*	Cite No ¹	e Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (boo								T ²
18					ad T30 Notebooks co_t30_spec_she					
		INTEL CORPOR	RATION, ument Nu	"Intel 8280 Imber 2906	02AB/82802AC Fir 058-004, pp. 1-6,	mware Hub 17-28 (Nove	(FWH)", Intel Permber 2000).	roduct		_
		INTEL CORPOI Specification, O	RATION, rder Num	"IA-64 Sys ber 24535	tem Abstraction L 9-001, 112 pages	ayer Specif , January 20	ication", Intel Pro 1000.	duct		;
			rchitectur	e", Intel Pr	4 Architecture Soft oduct Manual, Orcey 2000.					
·		MENEZES, ALF Discrete Mather 405, 506-515, 5	natics an	d its Applic	dbook of Applied attions, Boca Rato	Cryptograpl n, FL, ISBN	ny", CRC Press I 0849385237, p	Series on p. 403-		
					irtual Machine Ard ter Architecture, p			is of the		
		RSA SECURITY www.rsasecurity	/ INC., "H /.com/noc	lardware A le.asp?id=	uthenticators", loc 1158, pp. 1-2 (200	ated at 04).				
					thenticators", loca 1313, pp. 1-2 (200					
					D Authenticators", rid/datasheets/SI		.pdf, pp. 1-2 (20	03).		
		SCHNEIER, B., Edition, Wiley, J 169-187 (October	ohn & So	Cryptograpns, Inc., IS	phy: Protocols, Alg BN 0471117099 (jorithm, and hardcover p	Source Code in printing), pp. 47-	C", 2 nd 52, 56-65,	<u> </u>	;
18	-		ohn & So	ns, Inc., IS	phy: Protocols, Alg BN 0471128457 (ovember 1995).					
		<u></u>						•		H

Examiner	1.11		Date Considered	
Signature	10000		Jan 10,05	
				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

					_
Substitut for F rm 1449A/PTO (Modifie	eá)	BUA	23	2004	_
INFORMATION DISC		ÇS	UF	۲Ę,	Ś
STATEMENT BY AP	Ρĺ	<u>Î</u> Ĉ	ATA!	H	

(use as many sheets as necessary)

Complete if Known

Application Number 09/752,586

Filing Date December 27, 2000

First Named Inventor: Michael A. KDACI CEIVE

Group Art Unit 2127

Examiner Name Nilesh R. Shah AUG 2 5 2004

Sh et | 1 of | 2 Attorney Docket Number | 42P9769 | Technology Center 2100

<u> </u>					FOREIGN PATENT DOCUMENTS			J. 1101
Exam. Initial*	Cite No. ¹	For Office ³		nd Code⁵	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	T⁰
				known)	·	MM-DD-YYYY	Figures Appear	
12		EP	0 892 521	A2	Hewlett-Packard Company	01-20-1999		
_1		EP	0 965 902	A2	National Semiconductor Corp.	12-22-1999		
		EP	1 055 989	A1	Hewlett-Packard Company	11-29-2000		
		EP	1 056 014	A1	Hewlett-Packard Company	11-29-2000		1
		EP	1 085 396	A1	Hewlett Packard Company	03-21-2001	'	1
		EP	1 271 277	A2	Redstrike B.V.	01-02-2003		
		wo	95/24696	A2	Integrated Technologies of America	09-14-1995		
		WO	98/12620		Mitsubishi Denki Engineering	09-20-1996		
		WO	99/18511	A1	Phoenix Technologies, Ltd.	04-15-1999		1
1 .		WO	99/65579	A1	Aristocrat Leisure Industries Pty. Ltd.	12-23-1999		
		wo	01/63994	A2	Iridian Technologies, Inc.	08-30-2001		
		wo	02/01794	A2	Intel Corporation	01-03-2002		<u> </u>
		WO	02/060121	A1	Intel Corporation	08-01-2002		
55		wo	03/058412	A2	Intel Corporation	07-17-2003		
								1
			OTL	JED AD	T NON DATENT LITERATURE DO	NOUMENTO.		<u> </u>
	T		UIF	IEK AK	T – NON PATENT LITERATURE DO	CUMENTS		
Examination		Cite No ¹	Include name magazine, jou	itle of the item (book, , publisher, city and/or	T²			
1	5		COULOURIS, G. et al., "Distributed Systems: Concepts and Design", 2 nd Edition, Addison-Wesley Publishers Ltd., Essex, England, pp. 422-424 (1994).					
19	5		CRAWFORD, J., "Architecture of the Intel 80386", Proceedings of the IEEE International Conference on Computer Design: VLSI in Computers (ICCD '86), ISBN 0-8186-0735-1, pp. 155-160 (October 6 - 9, 1986).					
h	8		FABRY, R.S pp. 403-412		bility-Based Addressing", Communicately.	ations of the ACN	1, Vol. 17, No. 7,	
1	9		FRIEDER, G IEEE Procee 5, 1982).	G., "The A	Architecture and Operational Charact fithe 15th Annual Workshop on Micro	eristics of the VM programming, pp	IX Host Machine", . 9-16, (October	
45	3			PACKAR	D COMPANY, "Mobile Security Over	view", pp. 1-9, (S	eptember 2002).	•

	· · · · · · · · · · · · · · · · · · ·	
Examiner	1:10	Date Considered
Signature	/ Cul & Com	Jan 1005
		39711907

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.